

QUARTERLY UPDATE

FOR JULY 1995 THROUGH SEPTEMBER 1995

DECONTAMINATION FACILITIES
903A (MDF) AND 966 (PA)

SEPTEMBER 28, 1995

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INTRODUCTION

The Decontamination Facilities support Environmental Restoration Program Division (ERPD) activities performing RFI/RI and remedial action field work for Operable Units (OU's) on plantsite in accordance with the Interagency Agreement (IAG). There are two decontamination facilities at the Rocky Flats Plant: the Main Decontamination Facility (MDF), also known as the 903A Pad - RCRA Unit 18.01, located at the east end of the Facilities Operations Yard; and the Protected Area Decontamination Facility (PADF), located in the northeast corner of the Protected Area. The PADF is also referred to as Building 966. Proper utilization of the facility prevents cross contamination between sample retrieval sites and provides a mechanism to clean equipment in order to meet data quality objectives.

Seven full time personnel from Resource Technology Group (RTG) currently operate and maintain the Decontamination Facilities for Rocky Mountain Remediation Services (RMRS). In addition to operating and maintaining the two facilities, this work package is also responsible for movement of environmental drums and pallets from the buffer zone and within the Field Operations Yard, moving equipment and unloading trucks for other subcontractors, performing decontamination of equipment, removing snow in the Facilities Operations Yard, and providing Health and Safety support to environmental projects.

INFORMATION

Decontamination and sampling support personnel supported two simultaneous PCB clean-up projects encompassing eight separate sites. The mobile decontamination unit was utilized to support this effort.

The Decontamination Facility Operation provided support to the investigation and remediation of IHSS 109. Health and Safety support was provided for the geoprobe sampling project. Continual air monitoring was conducted while in level B *Personal Protective Equipment (PPE)* which included personal air sampling for organics, heat stress, CO, H₂S, and radionuclides.

Field decontamination support was provided to the clean-up of IHSS 109 after numerous sampling events at the pit and at the roll-off staging areas. To expedite the clean-up, decontamination personnel provided the project with dust abatement equipment and materials, equipment storage facilities, and operational supplies.

Mobile decontamination support was provided to the "CURE" Electrocoagulation Technology Evaluation Program which is located in the parking lot adjacent to the 904 Pad. Decontamination support included several decontamination events of the unit clarifier and holding tanks. Final decontamination of the "CURE" unit was conducted at the MDF.

Thirty-six decontamination activities and fifty purge events occurred at the MDF during the second quarter of FY95. Four decontamination events occurred at the PADF.

Four hundred drums were transported to the drum holding area located in the field operations yard. The storage area was reconfigured for efficiency in support of the yard clean-up efforts.

REPORTS/CORRESPONDENCE

FO.03, General Equipment Decontamination has been approved and released as a control copy. Working copies of FO.12 have been distributed to the Field Operations Manual copy holders until it has been externally reviewed and approved.

SAMPLES

Attached is a list of the samples taken during the fourth quarter of FY95 (July - September). DWXXXXXGA indicates sampling of decontamination wash water. Tanks 1-5 are located at the MDF and tanks 6-10 are located at the PADF. To date, the analytical results for all samples taken are below RCRA regulatory levels. When analytical data is received from the laboratory, the decontamination wash water is transferred to Building 374 or the 891 Treatment Facility.

SDXXXXXGA indicates the soil/sediment sample taken from the decontamination facility sump. The sediment sample is a composite sample of sediment taken from the decontamination pad. The soil/sediment is periodically placed into drums, properly sealed, labeled and monitored. The drum is then transferred to the Field Operations Drum Storage Area, pending characterization. Currently all of the soil/sediments collected from the sump are non-hazardous. All analytical results for the water and soil/sediments are located in T891B.

PROBLEMS/MAINTENANCE

The propane gas line that supports the electric/propane steam cleaner at the MDF was installed and tested. A statement of work was written and a purchase requisition was submitted to Procurement to have a vendor perform the final connections to the steam cleaner and the propane line. The work to complete this project was on hold until the decontamination facility upgrades were completed and FY96 funding is available; however, the upgrades to the decon pad were canceled due to lack of funding. It is anticipated to have the work completed next quarter.

ENVIRONMENTAL COMPLIANCE

An inspection of the Main Decontamination Facility (MDF) was conducted by the Colorado Department of Public Health and Environment (CDPHE) on September 7, 1995. Two items cited required further action: (1) additional training information and (2) additional analytical data from a sample taken from underneath the decon pad liner. Both actions have been fulfilled and are closed out.

ACCOMPLISHMENTS

Twelve drums of contaminated PPE that was stored in conex #28 in the Field Operations Yard were surveyed and packaged in white drums. The drums have been transferred to Building 664.

The Health and Safety Specialists (HSSs) completed thirty source leak checks for Radiological Engineering (RE). This effort was essential in maintaining compliance for these source checks in accordance to 10 CFR 835.

HEALTH AND SAFETY

In addition to supporting numerous projects simultaneously, HSS's for the decontamination operation spent an extensive amount of time surveying the large pile of debris located in the field operations yard. One 40 foot roll-off and three dump truck loads of material were transported to the landfill or the PU&D yard for disposal or salvage.

Other projects supported by the HSS's:

- Miscellaneous items were surveyed and approved for free-release by Radiological Engineering.
- Radiological and air monitoring was provided for the subcontractor that was performing upgrades to the MDF.
- Support was provided during the emptying of a floor sump inside a contaminated area in building 889.
- Radiological surveys were performed on the B-1 Pond waste water treatment plant by-pass.

ANTICIPATED OPERATIONS FOR NEXT QUARTER

- Utilize mobile decontamination unit in support of RCRA closures.
- Support buffer zone clean-up with Health and Safety support.
- Survey and transfer scrap pile in Field Operations Yard to PU&D and the landfill.
- Support PCB with field decontamination.

SUMMARY/CONCLUSION

For treatment this quarter, 12,000 gallons of decontamination wash water was transferred to the 374 Liquid Waste Operations and 891/OU1 Treatment Facility. Due to lack of funding, it is anticipated there will be a reduction in sampling of the tanks at both decontamination facilities during FY96.

There were no environmental deficiencies, no accidents, and no occurrences encountered by the Decontamination Facility Operation during the July through September, 1995 reporting period.

SAMPLE IDENTIFICATION NUMBERS JULY - SEPTEMBER 1995

DECON WATER

SAMPLE #	TANK #	SAMPLE DATE	ANALYSIS TYPE	SHIP DATE	LAB	MDF/ PADF
DW00063GA	5	7/5/95	INORGANICS/ORGANICS GROSS a/b, PU, AM, U	7/6/95 7/6/95	QPITT TMAN	MDF
DW00064GA	1	7/5/95	INORGANICS/ORGANICS GROSS a/b, PU, AM, U	7/6/95 7/6/95	QPITT TMAN	MDF
DW00066GA	4	8/30/95	INORGANICS/ORGANICS GROSS a/b, PU, AM, U	8/30/95 8/30/95	881 881	MDF

SUMP SEDIMENTS

SAMPLE #	DRUM #	SAMPLE DATE	ANALYSIS TYPE	SHIP DATE	LAB	MDF/ PADF
SD00020GA	4610GA	8/3/95	INORGANICS/ORGANICS	8/4/95	881	MDF
	4611GA		TCLP PESTICIDES/HERBICIDES	8/5/95	QDEN	
	4612GA		PU, AM, U	8/4/95	881	